



Amdata RECEIVED  
JUN 04 2003  
TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Genzyme Corporation  
Roberts, Bruce L.  
Nicolette, Charles A.

<120> Antigen-Specific Cells, Methods of Generating These Cells and Uses Thereof

<130> GA0116C

<140> US 09/701,849  
<141> 2000-08-09

<150> PCT/US99/01462  
<151> 1999-01-25

<150> US 60/122,053  
<151> 1998-01-26

<150> US 60/080,036  
<151> 1998-03-31

<160> 11

<170> PatentIn version 3.1

<210> 1  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<400> 1

Leu Xaa Xaa Xaa Xaa Xaa Xaa Val  
1 5

<210> 2  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> X = Any positively charged amino acid residue

<400> 2

Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 3  
<211> 9  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(9)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Asp or Glu.

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>

<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (9)..(9)  
<223> X = Phe, Lys or Tyr.

<400> 3

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 4  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE

<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<400> 4

Arg Xaa Xaa Xaa Xaa Xaa Xaa Leu  
1 5

<210> 5  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Lys or Arg.

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)

<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> X = Leu or Ile.

<400> 5

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 6  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Met or Leu.

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<400> 6

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys  
1 5

<210> 7  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> X = Tyr or Phe.

<400> 7

Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 8  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> X = Phe, His, Trp or Tyr.

<400> 8

Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 9  
<211> 7  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(7)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Leu or Ile.

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X = Any amino acid residue

<220>

<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> X = Any amino acid residue

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> X = His or Lys.

<400> 9

Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 10  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<400> 10

Tyr Leu Lys Asp Gln Gln Leu Leu  
1 5

<210> 11  
<211> 8  
<212> PRT  
<213> synthetic oligopeptide

<220>  
<221> PEPTIDE  
<222> (1)..(8)  
<223>

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> X = Gly, Ser, Thr, Cys, Tyr, Asn or Gln.

<220>  
<221> MISC\_FEATURE  
<222> (2)..(2)

<223> X = Ala, Val, Leu, Ile, Pro, Phe, Trp or Met.

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> X = Asp or Glu.

<220>

<221> MISC\_FEATURE

<222> (5)..(5)

<223> X = Gly, Ser, Thr, Cys, Tyr, Asn or Glu.

<220>

<221> MISC\_FEATURE

<222> (6)..(6)

<223> X = Gly, Ser, Thr, Asn or Gln.

<220>

<221> MISC\_FEATURE

<222> (7)..(7)

<223> X = Ala, Val, Leu, Ile, Pro, Phe, Trp or Met.

<400> 11

Xaa Xaa Lys Xaa Xaa Xaa Xaa Leu

1 5

*Al  
concl*